GRUNDIG

COLOR TELEVISION

DAVIO 55

ST 55-854/8 Dolby

DEUTSCH

ENGLISH

FRANÇAIS

DOLBY SURROUND VIRTUAL

CONTENTS

3 **Installation and safety**

4 **Connection and preparation**

The front of the TV set
Connecting aerial and mains cable
Putting batteries into the remote control

5 **At a glance**

The remote control

6 **Settings**

Setting TV channels – automatically (with ATS searching)
Picture settings
Sound settings

10 **Television mode**

11 **Teletext mode**

TOP or FLOF text mode
Normal text mode
Additional functions
Selecting functions – from the symbol bar

14 **Convenience functions**

... in the »SPECIAL FUNCTIONS« menu
Setting switch-off time with the »SLEEP TIMER« menu

15 **Child-proof lock**

16 **Operating with external appliances**

Decoder or satellite receiver
Video recorder or SET-TOP box
Camcorder
Headphones

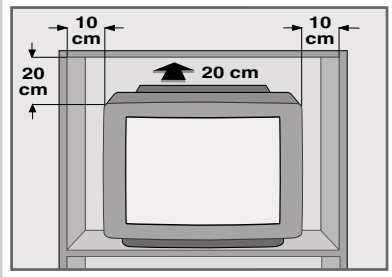
19 **Special settings**

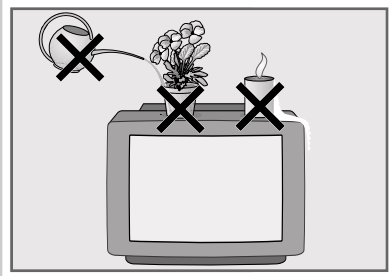
Limiting channel selection
Set TV channels
Manually adjusting colour standards

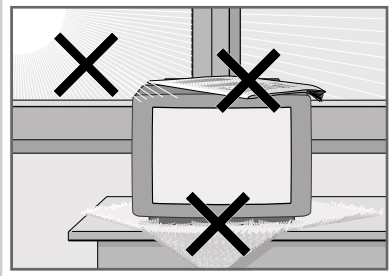
21 **Information**

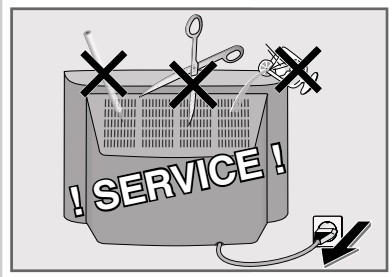
Technical data
Service notes for the authorised dealer
EURO-AV (Scart) socket contact assignment
Customer information
Rectifying malfunctions

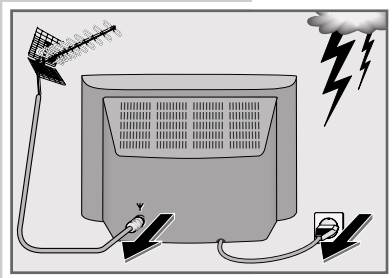
INSTALLATION AND SAFETY











Please observe the following notes when setting up and connecting the TV set:

This set has been designed for the reception and reproduction of picture and sound signals.
Any other use is explicitly forbidden.

The ideal viewing distance from the screen is 5 times the diagonal width of the screen.
External light shining on the screen adversely affects picture quality.

Assure that there is enough space inside the cabinet.

The TV set is designated for operation in dry rooms. Should you nevertheless operate it outside, make absolutely sure that it is protected against dampness (rain, water splashes). Never expose the TV set to moisture of any sort.

Do not place vessels filled with fluid (vases or similar) on the TV set. The vessel may tip over and the fluid may cause an electrical hazard.
Put the TV set on an even and hard surface. Do not place objects (for example, newspapers) on the TV set and do not place the set on a mat or similar object.

Do not place the TV set close to the heating or in direct sunlight, as it could overheat.
Heat buildup can be dangerous and is detrimental to the service life of the equipment. From time to time, have a technician come to clean the inside of the set.
Keep the TV set away from magnetic fields (for example, stereo speakers).

Do not open the TV set under any circumstance. The manufacturer accepts no liability for damage resulting from unauthorised tampering.

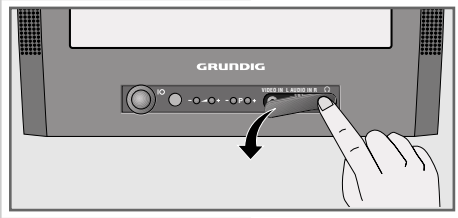
Make sure that the mains cable does not become damaged.
The TV set may only be operated using the mains cable supplied.

Electrical storms represent a danger for every type of electrical device. Even if the set is switched off, it could be damaged by a lightning strike hitting the mains and/or the aerial lead. Therefore, always disconnect the mains plug and aerial plug when there is an electrical storm.

When cleaning the screen, use only a soft, damp cloth. Use clean water only.

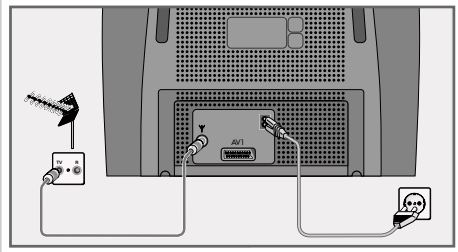
CONNECTION AND PREPARATION

The front of the TV set



IO	Switches the TV set on/off
– ◢ +	Volume
– P +	Channel selection Switches the TV set to standby mode (»**P+**« only)
Yellow socket	Video input for camcorder
White and red sockets	Audio input for camcorder
∩	Headphone connection (3.5 mm ø jack)

Connecting aerial and mains cable

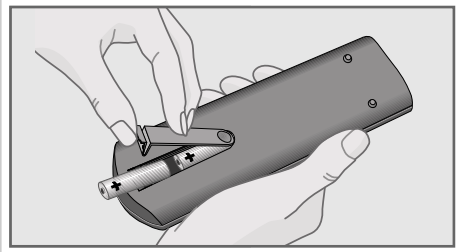


1 Insert the aerial cable of the house aerial into aerial socket »ϒ« on the TV set.

2 Insert the mains cable supplied into socket » ∼ « on the TV set.

3 Insert the mains cable plug into the mains socket.

Putting batteries into the remote control



1 Open the battery compartment by pulling off the cover.

2 Insert batteries (UM-3 or AA, 2 x 1.5 V).
Observe the polarity when inserting the batteries (marked on base of battery compartment).

Note:
When a battery is dead, the indication »Battery« appears.

If your television does not react to the remote control commands correctly, then the batteries could be dead. Always remove empty batteries. There is no liability for damage caused by leaking batteries.

Environmental note:
The batteries – even those free of heavy metals – cannot be disposed of in normal household rubbish. Used batteries must be disposed of in used battery collection containers in businesses or be taken to public waste disposal facilities.

AT A GLANCE

The remote control

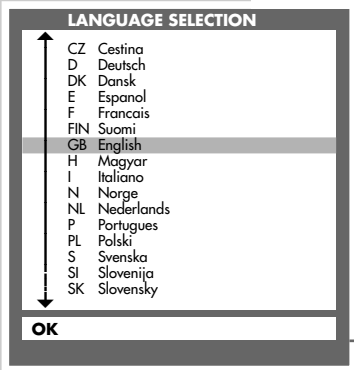
⏻	Switches off the TV set (standby).
1...9 **AV 0**	Switches the TV set on from standby mode; selects channels and AV channel positions directly.
i	Calls up the »DIALOG CENTER« (with »**i**« and »**OK**«); selects previous menu page.
	Sound on/off (mute).
P+ P–	Switches the TV set on from standby mode (» P+ « only); selects channels step by step; moves the cursor up/down.
◄ ►	Changes the volume; moves the cursor to the left/right.
OK	Changes and activates various functions; calls up the channel selection list.
AUX	Selection button for various functions.
TXT	Switches between teletext mode and television mode; completes menu function.
	Calls up the »PICTURE« menu; turns one page back in teletext mode.
	Clock on/off; turns to the next available page in teletext mode.
	Selects chapter or held page desired in teletext mode.
	Calls up the »SOUND« menu. Selects topic desired, or fill in waiting time, in teletext mode.
– +	Adjusts the colour.
– +	Adjusts the brightness.
SAT	Switches to the operation of a GRUNDIG satellite receiver.
VIDEO	Switches to the operation of a GRUNDIG video recorder.

Setting TV channels – automatically (with ATS searching)

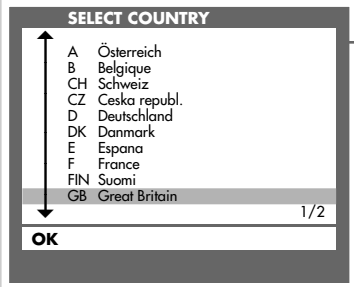
The set is equipped with an automatic channel search system.
You start the ATS search and can then sort the television channels into an order of your choice.

There are 99 channel positions available, which can be assigned to television channels from the aerial or from the cable connection as desired.

You can also delete from the channel list television channels which are found more than once, or which have poor reception.



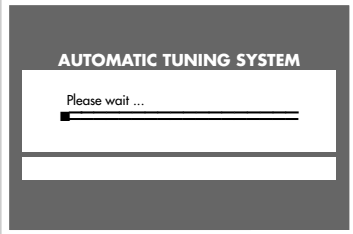
1 Switching on the TV set with »**IO**« on the TV set.
– The »LANGUAGE SELECTION« menu will be displayed.



2 Select a language with »△« or »▽« and confirm with »**OK**«.
– The »SELECT COUNTRY« menu will be displayed.

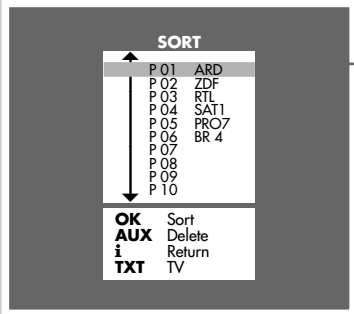
3 Select a country with »△« or »▽« and confirm with »**OK**«.

Note:
If your country is not displayed in, select the line »others«.
The »MANUAL TUNING« menu will be displayed.
Using »△« or »▽«, select either »Cable (frequency sel./MHz)« or »Cable/aerial (channel sel.)«, and confirm with »**OK**«.



– The »AUTOMATIC TUNING SYSTEM« menu will be displayed, and the automatic channel search will begin.
– Depending on the number of channels received, this may take a minute or longer.
– Following the search, the TV set will switch to channel position 1 and the menu »SORT« will be displayed.

Deleting TV channels

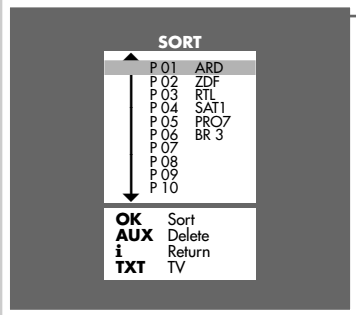


1 In the »SORT« menu, select the TV channel to be deleted with »△« or »▽«.

2 Delete the TV channel with »**AUX**«.

Note:
To delete further TV channels, repeat points **1** and **2**.

Sorting TV channels



1 In the »SORT« menu, select the TV channel to be moved with »P+« or »P–«.

2 Mark the TV channel with »**OK**«.

3 Select a new channel position with »P+« or »P–«.

4 Save the setting with »**OK**«.

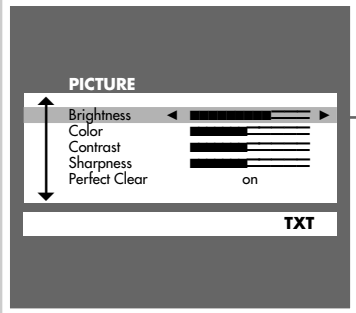
Note:
To sort further TV channels, repeat points **1** to **4**.

Completing the settings

1 Complete the settings with »**TXT**«.

Picture settings

Setting brightness, colour, contrast, definition and tint



1 Call up the »PICTURE« menu with »👁«.
– The »PICTURE« menu appears.

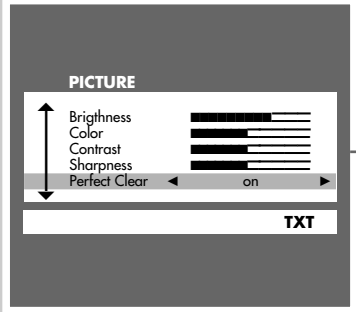
2 Select the line »Brightness«, »Color«, »Contrast«, »Sharpness« or »Tint« (color tone) with »P+« or »P–« and set the required value with »◄« or »►« (»Tint« indication only for NTSC reception).

Note:
The set has been tested with maximum contrast in order to control the reliability of all modules. Depending on the location of the set and the light level in the room (ambient light) it is nevertheless a good idea to reduce the contrast slightly for optimum picture quality.

3 Complete the setting with »**TXT**«.

Perfect Clear

Perfect Clear increases contrast in dark areas of the picture. This gives the picture depth.

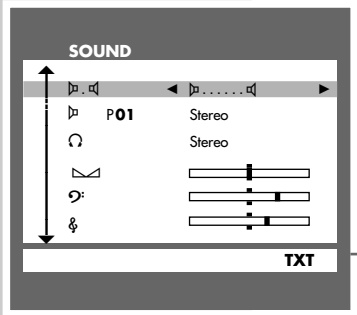


1 Call up the »PICTURE« menu with »👁«.
– The »PICTURE« menu appears.

2 Select the line »Perfect Clear« with »P+« or »P–« and switch the function on or off with »◄« or »►«.

3 Complete the setting with »**TXT**«.

Sound settings



Stereo depth

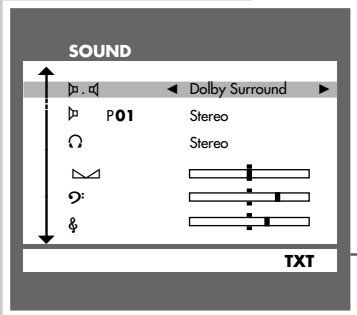
Widens the acoustic pattern for stereo programmes and improves it for mono programmes.

1 Call up the »SOUND« menu with »?«.

2 Select the »♪ . 🔊« lines with » P+ « or » P– «.

3 Select »♪..... 🔊« with » ◄ « or » ► «.

4 Complete the setting with »**TXT**«.



Dolby Surround *

Dolby Surround is an electronic solution which is fully integrated in the TV and requires only 2 additional speakers to create Dolby Surround effects.

1 Call up the »SOUND« menu with »?«.

2 Select the »♪ . 🔊« lines with » P+ « or » P– «.

3 Select »Dolby Surround« with » ◄ « or » ► «.

4 Complete the setting with »**TXT**«.

* Under license from the Dolby Laboratories Licensing Corporation.
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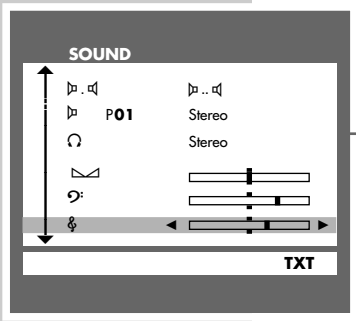


Changing the balance, the bass and the treble

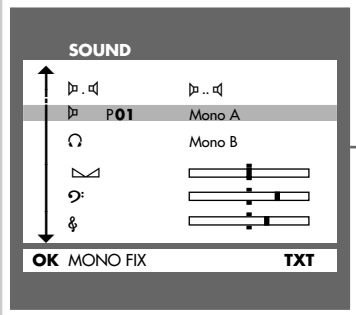
1 Call up the »SOUND« menu with »☉«.

2 Select the lines required »◺◿« – balance, »𝄢« – bass or »𝄞« – treble with »P+« or »P–« and set the required value with »◄« or »►«.

3 Complete the setting with »**TXT**«.

Stereo (two-channel), mono

If the device receives two-channel transmissions – e.g. a film in the original on sound channel B (display: »Mono B«) and the synchronised version on sound channel A (display: »Mono A«) – you can select your preferred sound channel.
If the device receives stereo broadcasts, it automatically switches to stereo sound playback (display: »Stereo«).
The sound setting last selected will be stored according to the channel.



1 Call up the »SOUND« menu with »☉«.

2 Select line »P01« with »P+« or »P–«.

3 If the sound reproduction of a particular channel is constantly mono, select the lines »P..« with »P+« or »P–« and confirm with »**OK**«.

4 Complete the setting with »**TXT**«.

Note:
Repeat the setting to cancel this function.

TELEVISION MODE

Switching on/off

1 Switch on the TV set with »**IO**« on the TV set.
– The TV set switches on with the last channel position viewed.

2 Switch TV set to standby mode with »⏻«.
Switch the TV set on from standby mode with »**1...AV 0**« or »P+«.

3 Turn the TV set completely off with »**IO**« on the TV set.
This saves energy.

Selecting channel positions

1 Select channel positions (including AV) directly with »**1...AV 0**«.
or

2 Select channel positions step by step with »P+« or »P–«; or

3 Blend the channel selection list in and out with »**OK**«, select the TV channel desired (not including »AV«) with »P+« or »P–« or with »◄« or »►«.

Adjusting volume, brightness and color contrast

1 Adjust the volume with »◄« or »►«.

2 Adjust the brightness with »–☼« or »☼+«.

3 Adjust the colour contrast with »–◑« or »◑+«.

Notes:
Each value changed is saved after a few seconds.
Reset to the factory setting by pressing »**AUX**« and then »**OK**«.

Switching sound on/off

1 Switch the sound on or off with »🔇« (mute).

Blending clock display in/out

1 Blend the clock display in or out with »🕘« (only for TV channels with teletext).

Blending-in channel position number briefly

1 Blend the channel position number in or out with »**i**«.
– The station name is also displayed with some television channels.

Displaying channel position number constantly

1 Press »**i**« and wait until the »OK DIALOG CENTER« display disappears.
– The channel position number will remain on the screen.

2 Position the channel position number before the »OK DIALOG CENTER« disappears by selecting the desired position with »◄« or »►« (upper left or right).

3 Blend out the channel display number by briefly pressing »**i**« twice.

TELETEXT MODE

TOP text or FLOF text mode

1 Switch to teletext with »**TXT**«.
Either the contents page 100 or the teletext page last viewed will appear.

2 The teletext pages can also be selected directly with »**1...0**« (return to contents page 100 with »**i**«).

Note:
An information line consisting of a red, green, yellow and blue lettering field is located at the bottom of the screen. The remote control has corresponding colour-coded buttons.

3 Turn back one page or select the chapter desired using »👁« (red).

4 Turn forward one page or select the topic desired with »🕘« (green).

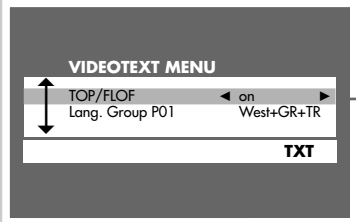
5 Select the chapter desired with »⇔« (yellow).

6 Select the topic desired with »?« (blue).

7 Switch off teletext mode with »**TXT**«.

Switching TOP/FLOF text on/off

If TOP/FLOF text is not available, you can switch to normal text (Basictext).



1 Call up »VIDEOTEXT MENU« with »**i**« and »**OK**«.

2 Select the line »TOP/FLOF« with »P+« or »P-« and switch »TOP/FLOF« on or off with »◄« or »►«.

3 Complete the setting with »**TXT**«.

Normal text mode (Basictext)

1 Switch to teletext with »**TXT**«.
– Either the contents page 100 or the teletext page last viewed will appear.

2 The teletext pages can also be selected directly with »**1...0**« (return to contents page 100 with »**i**«).

3 Turn back one page with »👁« (red).

4 Turn to the next page available with »🕘« (green).

5 Hold multiple pages with »⇔« (yellow).

6 Filling in waiting time with »?« (blue).
– This switches temporarily to the current programme.

7 Select the desired sub-page with »**0**« and »◄« or »►«.
– The sub-page selected will appear after a short time.

8 Switch off teletext mode with »**TXT**«.

Additional functions

Select teletext pages directly (Page-Catching)

Many contents pages contain three-digit page numbers which may be selected directly.

1 Select the page number desired with »△« or »▽«.
– »Pagecatching OK« will appear on the upper edge of the picture; a cursor will be positioned on the first or last page number.

2 Confirm with »**OK**«.
– The page will appear after a short time.

Filling in waiting time

The waiting period before a teletext page appears can be filled in.

1 Enter the teletext page number with three digits using the »**0... 9**« buttons .

2 Call up the "Symbol bar" with »**AUX**«. Select the »X« symbol using »◄« or »►« then press »**OK**«.
– You will see the television picture and the »X« symbol appears in the top part of the screen. As soon as the page number appears instead of the »X« symbol, the page has been found.

3 Display the page found by pressing »**OK**«.

Enlarging the teletext page

1 Enlarge the teletext page by pressing »+«.

Calling up sub-pages

1 Call up sub-pages with »–« (not in normal text mode).

2 Select the four digit of the sub-page desired with »**0...9**«.
– The sub-page selected will appear after a short time.

Page hold for multiple pages

A multi-page display can contain several sub-pages which are automatically paged forward by the broadcasting station.

1 Hold the sub-page with »–☼«.

Reveal answer

Some teletext pages contain "hidden answers" or information. These can be called up.

1 Reveal the information with »☼ +«.

2 Hide the information with »☼ +«.

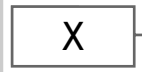
Selecting functions – from the symbol bar

1 Switch to teletext mode with »**TXT**«.

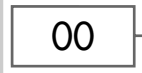
2 Call up the "Symbol bar" with »**AUX**«.
– The symbol bar will appear at the bottom of the screen.

The symbol bar has the following functions:

Double character size



Fill waiting time



Call up sub-page directly

Reveal answer

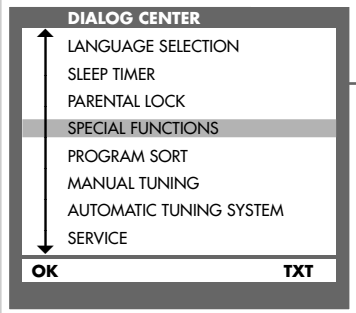
Hold page

3 Select the function with »◄« or »►« and call up with »**OK**«.

4 Switch off teletext mode with »**TXT**«.

CONVENIENCE FUNCTIONS

... in the »SPECIAL FUNCTIONS« menu



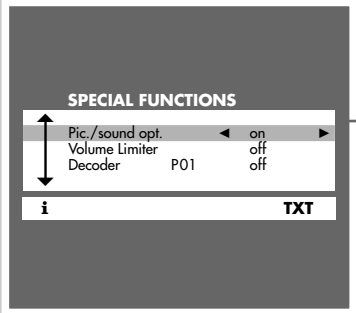
1 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

2 Select the line »SPECIAL FUNCTIONS« with »P+« or »P–« and confirm with »**OK**«.

Note:
Further operating instructions can be found in the chapters which follow.

Switch picture/sound scales on/off

When adjusting volume, brightness and colour contrast, the corresponding scale appears on the screen. This scale can be switched off.

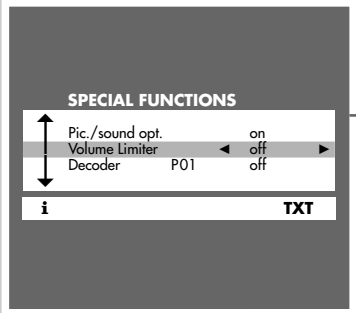


1 Select the line »Pic./sound opt.« with »P+« or »P–« and select »off« with »◄« or »►«.

2 Complete the setting with »**TXT**«.

Equalise volume

The volume of normal TV broadcasts and commercials may be different. This volume fluctuation can be equalised.



1 Select the line »Volume Limiter« with »P+« or »P–« and select »on« with »◄« or »►«.

Note:
The line »Volume Limiter« will not appear when »Dolby Surround« has been selected in the »SOUND« menu.

2 Complete the setting with »**TXT**«.

Setting switch-off time with the »SLEEP TIMER« menu

A switch-off time can be entered for the TV set using the »SLEEP TIMER« menu. The TV set switches to standby mode when the set time has elapsed.

1 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

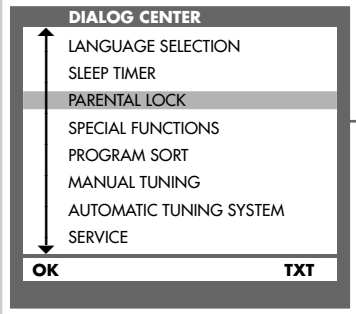
2 Select the line »SLEEP TIMER« with »P+« or »P–« and confirm with »**OK**«.

3 Enter the switch-off time desired with two digits (from 01 to 99 minutes) with »**1...0**«.

Note:
The switch-off time can be deleted with »**AUX**«.

4 Complete the setting with »**TXT**«.

CHILD-PROOF LOCK



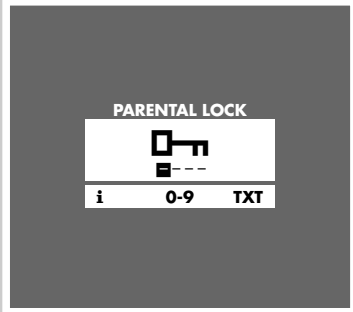
Activating child-proof lock

1 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

2 Select the line »PARENTAL LOCK« with »P+« or »P–« and confirm with »**OK**«.

3 Enter four-digit PIN »**1...0**« and save with »**OK**«.
– The key symbol will appear in red.

4 Complete the setting with »**TXT**«.
– When the TV set has been turned off and turned on again, the child-proof lock will be activated. The page »PARENTAL LOCK« will appear, and all functions are locked.



Switching off child-proof lock briefly

1 Turn television set on and enter the four-digit PIN with »**1...0**«.
– The set switches to the TV picture. When the set has been switched off and then on once more, the lock reactivates.

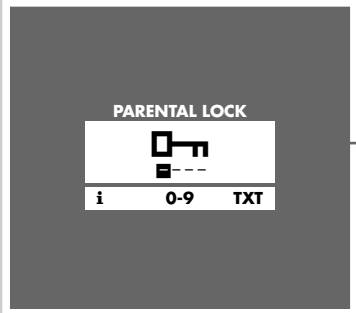
Switching off child-proof lock

1 Switch TV set on.

2 Enter four-digit PIN with »**1...0**«.

3 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

4 Select the line »PARENTAL LOCK« with »P+« or »P–« and confirm with »**OK**«.



5 Enter four-digit PIN with »**1...0**«.
– The key symbol appears in black: the child-proof lock has been cleared.

6 Complete the setting with »**TXT**«.

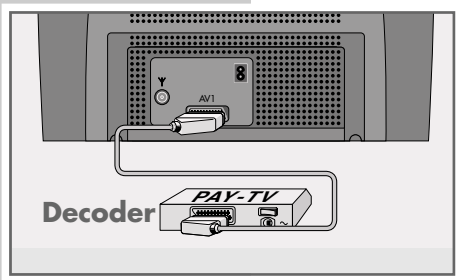
Note:
If you have forgotten your PIN, you can use the digit combination given in the section “Rectifying malfunctions” on page 22.

OPERATING WITH EXTERNAL APPLIANCES

Decoder or satellite receiver

A decoder is required if the TV set is to receive coded channels from private broadcasting companies.

Connecting a decoder or satellite receiver



1 Connect the »**AV 1**« socket of the TV set to the corresponding socket on the decoder with a EURO-AV (Scart) cable.

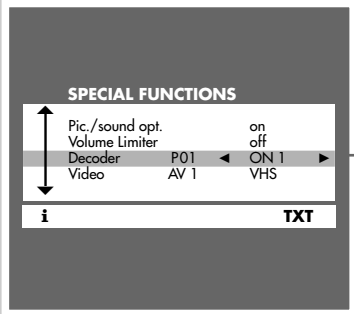
Notes:
Alternatively, a satellite receiver can be connected to this socket.
If a satellite receiver and a decoder are to be operated, the decoder must be connected to the satellite receiver.

Settings for operating with a decoder

1 Select the channel position to which the encoded programme is assigned.
– The TV set automatically switches to channel position »AV1«.

2 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

3 Select the line »SPECIAL FUNCTIONS« with »P+« or »P–« and confirm with »**OK**«.

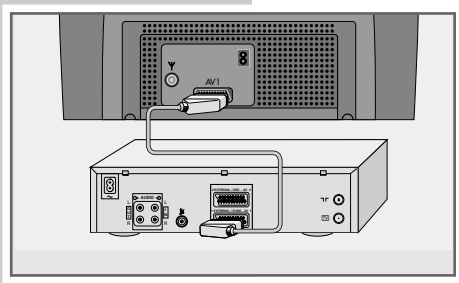


4 Select the line »Decoder P ..« with »P+« or »P–«.
– »P ..« shows the channel position selected.

5 Select the setting »ON 1«, »ON 2« or »ON 3« with »◄« or »►«.
– This setting depends on the decoder connected.
– If a decoder is not connected, set to »off«.
– In the background, the TV set switches to the last channel position set.

6 Complete the setting with »**TXT**«.

Video recorder or SET-TOP box



Connecting a video recorder or SET-TOP box

1 Connect the »**AV 1**« socket of the TV set to the corresponding socket on the video recorder or the SET-TOP box with a EURO-AV (Scart) cable.

Notes:
Alternatively, a satellite receiver can be connected to this socket.
If a satellite receiver and a decoder are to be operated, the decoder must be connected to the satellite receiver.

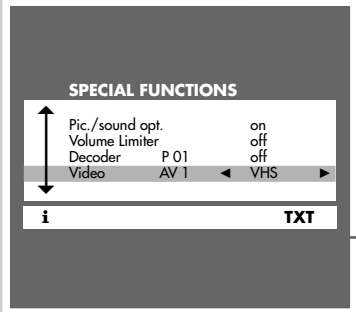
Set video standard (VHS or SVHS)

This setting depends on the video recorder connected.

1 Press »**AV 0**« repeatedly until »**AV 1**« is displayed on the set.

2 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

3 Select the line »SPECIAL FUNCTIONS« with »P+« or »P–« and confirm with »**OK**«.



4 Select the line »VIDEO« with »P+« or »P–« and use »◄« or »►« to select »VHS« or »S-VHS«.

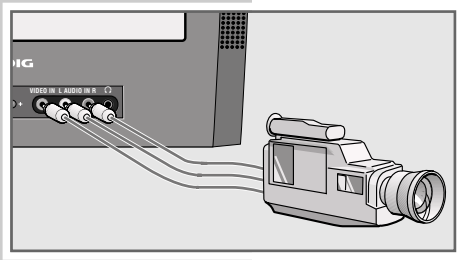
5 Complete the setting with »**TXT**«.

Operating with a video recorder or SET-TOP box

1 Switch on the video recorder or SET-TOP box and select the function desired.

2 Select channel position »AV1« with »**0 AV**«.
– The picture and tone information from the video recorder or SET-TOP box can be heard and seen via the TV set.

Camcorder



Connect the camcorder

1 Connect the yellow socket (**VIDEO IN** – picture signal) on the TV set and the corresponding sockets on the camcorder with the RCA cable.

2 Connect the white and red sockets (**L AUDIO IN R** – sound signal) on the TV set and the corresponding sockets on the camcorder with the RCA cable.

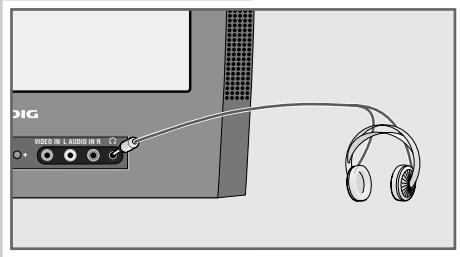
Note:
The Mono-Camera-Recorder delivers the mono sound signal via the white socket (**L**) on the TV set.

Operating with a camcorder

1 Switch on the camcorder and start playback.

2 Select channel position »AV 2« with »**AV 0**«.
– The picture and sound information from the camcorder can be seen and heard on the TV set (it is not possible to re-record to the EURO-AV socket).

Headphones

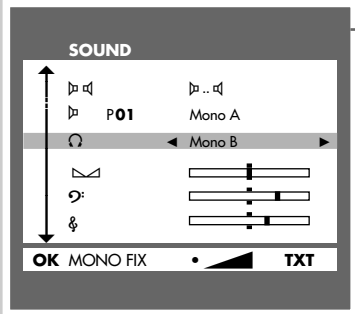


Connecting the headphones

1 Insert the headphone plug (3,5 mm ø jack plug) into the front of the TV set.
– The speaker is switched off.

Select Stereo (two-channel), mono for the headphones

1 Call up the »SOUND« menu with »☊«.



2 Select the line »🎧« with »P+« or »P–« and select the required sound type with »◄« or »►«; »Mono« or »Stereo« and for two-channel broadcasts, select »DUAL A« or »DUAL B«.

3 Complete the setting with »**TXT**«.

Changing the volume of the headphones

1 Call up the »SOUND« menu with »☊«.

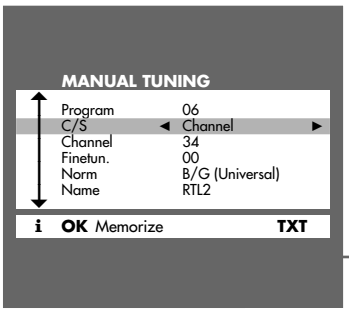
2 Select the lines »🎧« with »P+« or »P–« and press »☊«.
– The »SOUND« menu is closed and a scale appears which can be used to control the headphones.

3 Set the volume with »◄« or »►«.
– The altered value is displayed on a scale.

SPECIAL SETTINGS

Limiting channel selection

The ATS search saves all television channels found and automatically "blocks" the first non-assigned channel position. This means that only the television channels which were found can be selected using channel selection. This feature can also be defined manually. In the example, all channels from channel position 6 have been "blocked".



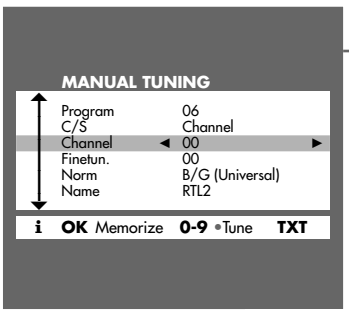
1 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

2 Select the line »MANUAL TUNING« with » P+ « or » P– « and confirm with »**OK**«.

3 Select the channel position (in the example, 6) with » ◄ «, » ► « or »**1...0**«.

4 Select the line »C/S« with » P+ « or » P– « and use » ◄ « or » ► « to select the »Channel« display.

Note:
The line »C/S« will not appear if the »SELECT COUNTRY« preselection »others« and then »Cable (frequency sel./MHz)« were selected.



5 Select the line »Channel« with » P+ « or » P– « and use »**1...0**« to enter »00« or, in the case of frequency selection, »000« (dependent on the »SELECT COUNTRY« preselection).

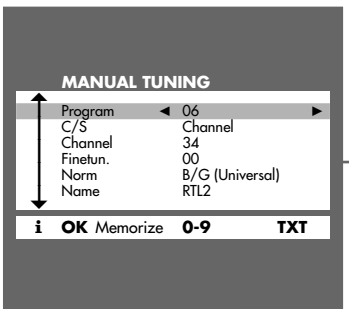
6 Save the setting with »**OK**«.
– Now, only the first five channel positions (and the »AV« channel position) can be selected.
– After the direct selection of the first blocked channel position »**1...0**« (in the example, 6), the "blocked" channel positions can be selected with » P+ « or » P– «.

7 Complete the setting with »**TXT**«.

Note:
If the blocked channel position is reallocated, the channel position limitation set is cleared.

Setting TV channels

This setting is only necessary if a new TV channel is added and you wish to maintain your own particular order for the channel positions. The TV channel can be set directly or via the automatic channel search.



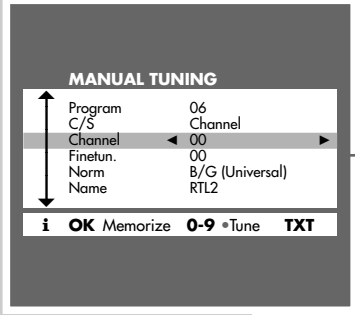
1 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

2 Select the line »MANUAL TUNING« with » P+ « or » P– «, and confirm with »**OK**«.

3 Select the channel position with » ◄ «, » ► « or »**1...0**«.

4 Select the line »C/S« with » P+ « or » P– «, and use » ◄ « or » ► « to select the display »Channel« or »S-channel«.

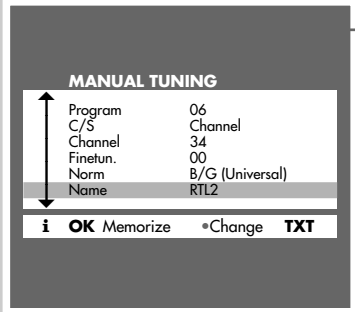
Note:
The line »C/S« will not appear if the »SELECT COUNTRY« preselection »others« and then »Cable (frequency sel./MHz)« were selected.



5 Select the line »Channel« with »P+« or »P–«, and use »◄«, »►« or »**1...0**« to enter the channel number desired (or the frequency, dependent on the »SELECT COUNTRY« preselection);

or start the ATS search with »?« (blue).

Notes:
Repeat the automatic channel search until the channel desired appears.
Cancel the automatic channel search with »**TXT**«.
The colour and sound standards are allocated automatically. If the colour and/or the sound are not correct, select the line »Standard« with »P+« or »P–«. Select the setting required with »◄« or »►«.



6 Select the line »Name« with »P+« or »P–«, and confirm with »?« (blue). Select the position required with »►«, use »P+« or »P–« to select the letters or digits required, and confirm with »?« (blue).

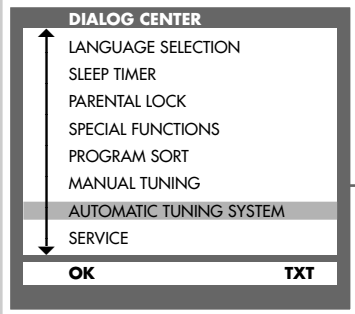
7 To fine tune the picture (when necessary), select the line »Finetun.« with »P+« or »P–« and modify the fine tuning with »◄« or »►«.

8 Save the setting with »**OK**«.

Note:
To set further TV channels, repeat points **3** to **8**.

9 Complete the setting with »**TXT**«.

Resetting all TV channels



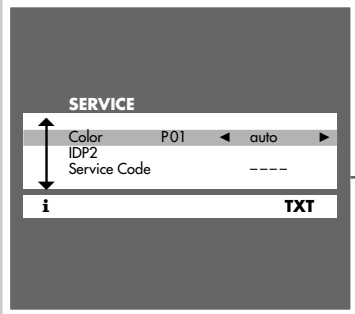
All the TV channels can be reset (e.g. when you move town).

1 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

2 Select the line »AUTOMATIC TUNING SYSTEM« with »P+« or »P–« and confirm with »**OK**«.
– The »SELECT COUNTRY« menu will be blended in.

3 Select a country with »P+« or »P–« and confirm with »**OK**«.
– The ATS search will start.

Adjusting colour standards manually



When the ATS search is used to set the TV channels, the colour standards are allocated automatically. Do not carry out this setting if the colour is already well adjusted on the various channels.

1 Call up »DIALOG CENTER« by pressing »**i**« and then »**OK**«.

2 Select the line »SERVICE« with »P+« or »P–« and confirm with »**OK**«.

3 Select the line »Color« with »P+« or »P–« and select the colour standard required with »◄« or »►«.

4 Complete the setting with »**TXT**«.

Note:
The lines »IDP2« and »Service Code« are for the exclusive use of the authorised dealer.

INFORMATION

Technical data

Mains voltage:	220 – 240 V, 50/60 Hz, (range of adjustment in the mains supply circuit 190 … 264 V)
Power requirement:	in operating mode 65 W, in standby mode 5 W
Final sound stage:	2x8 Watt music (2x4 Watt sine)
Frequency area:	C01 … C99, special channels S01 … S41, frequencies band 1 ... 4
Channel positions:	99 and 2 AV

Service notes for the authorised dealer

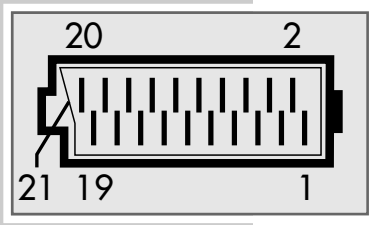
CE

The TV set may only be operated using the mains cable set supplied. It prevents mains interference and is an integral part of the appliance approval. For replacement purposes, please only order the mains cable set with the designation "GWN 9.22/part number 8290.991-316" from an approved service specialist.

The product conforms to the following RU guidelines:
73/23/EEC guideline on electrical equipment for use within certain voltage limits. 89/336/EEC guideline on electromagnetic compatibility.

The appliance complies with the standards: EN 60065, EN 55013, EN 55020

Contact assignment for the EURO-AV (Scart) socket



Pin		Signal	Pin		Signal
1	=	Audio output right	12	=	–
2	=	Audio input right	13	=	Red earth
3	=	Audio output left	14	=	Earth
4	=	Audio earth	15	=	RGB red input, (S-Video = Chroma)
5	=	Blue earth	16	=	RGB switching voltage
6	=	Audio input left	17	=	Video earth
7	=	RGB blue input	18	=	RGB switching voltage earth
8	=	Switching voltage	19	=	Video output
9	=	Green earth	20	=	Video input, (S-Video = Luminanz)
10	=	–	21	=	Shield/earth
11	=	RGB green input			

Additional Information for units sold in the UK.

Units sold in the UK are suitable for operation from a 240V ac, 50Hz mains supply.
The range of multi-system receivers is built to work in most European countries. However, the mains plug and socket system for the UK differs from many European countries.
This appliance has been supplied with a fitted, non-removable, approved converter plug for use in the UK. This converter plug is fitted with a 5A rated fuse.
In case this appliance is supplied with a moulded 2-pin Euro plug only, which is unsuitable for UK operation, this must be cut off and immediately disposed of. An approved 13A, 3-pin UK plug should then be fitted by a qualified electrician.

Note:
The severed Euro plug must be destroyed to avoid a possible shock hazard should it be inserted into a socket elsewhere.

If a non-rewireable 3-pin plug or a rewireable 13A (BS1363) 3-pin plug is used, it must be fitted with a 5A ASTA or BSI approved BS1362 fuse. If any other type of plug is used it must be protected by a 5A fuse either in the plug, or at the distribution board. If this type of plug becomes defective, ensure that the fuse is removed before disposal, to eliminate potential shock hazard.
If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5A ASTA or BSI approved BS1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged, the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.

Important:
The wires in the mains lead are colour coded in accordance with the following code:
BLUE – NEUTRAL
BROWN – LIVE
As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying terminals in your plug, proceed as follows:
Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.
Connect the BROWN coloured wire to the plug terminal marked with the letter "L" or coloured red.
In no circumstance must any of the wires be connected to the terminal marked with the letter "E", earth symbol "⏚", coloured green, or green & yellow.
Replacement mains lead sets can be obtained from your local dealer, or by contacting Grundig Consumer Relations (01788 570088)
Moulded 3-pin lead set, suitable for UK use:
Ref: Leadset UK 8290-991-224
Moulded 2-pin Euro lead set, not suitable for UK use:
Ref: Leadset Euro 8290-991-316

Rectifying malfunctions

If the remedial measures listed below do not lead to a satisfactory result, please consult a GRUNDIG authorised dealer. Please consider that problems can also be caused by external appliances, such as video recorders and satellite receivers.

In the case of misadjusted picture values, it may help to reset the TV set to the factory settings: to do this, press »**i**« and then »**OK**«.

Malfunction	Possible causes	Remedy
Picture bright (interference) but no programme visible	Aerial cable	Aerial cable connected?
	No TV channel programmed	Start automatic channel search
Picture contrast poor	Picture settings adjusted wrongly	Adjust settings for brightness, contrast and colour
	Problem is with the transmitter	Test another channel
Picture and/or sound disturbed	Malfunctions caused by other appliances	Change the position of the appliances
Ghosting, reflection	Channel settings	Automatic or manual channel setting/fine tuning
	Aerial	Have aerial cable or aerial system checked
No colour	Colour intensity set to mininum	Raise the colour setting
	TV standard setting (if setting options available)	Select the correct colour standard
	Problem is with the channel	Test another channel
Wrong colours, coloured flecks	Strong magnetic field from speakers or similar	Increase the distance between the speakers and the TV set if the coloured spots remain, turn the TV set off at the mains and turn on again after 10 minutes
Picture visible, no sound	Volume set to minimum	Increase/switch on volume
	Headphones connected	Remove headphones
	Problem is with the channel	Test another channel
No teletext, or teletext is disturbed	TV channel (has no teletext) or aerial system	Check another channel, fine tuning, ghosting
	Transmission signal too weak	Check aerial system
Remote control not working	No optical connection	Direct remote control at the TV set
	Remote control batteries	Check/replace batteries
	Undefined operating status	Turn TV set off with the main power button for approx. 2 min
After switching on, Child-proof lock menu appears	Child-proof lock is activated	Enter PIN or digit combination »7038«

Grundig AG • Beuthener Str. 41 • D-90471 Nürnberg • http://www.grundig.com 21931-941.0900